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# anti-ACPP antibody (Internal Region)

2 Images



Publication



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## Overview

Quantity:	100 μg
Target:	ACPP
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ACPP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

# **Product Details**

Purpose:	ACPP / PAP
Immunogen:	C-YGIHKQKEKSRLQ
Sequence:	YGIHKQKEKS RLQ
Isotype:	IgG
Specificity:	This antibody is expected to recognize both isoforms (NP_001090.2, NP_001127666.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity
	chromatography using the immunizing peptide.
Grade:	Verified

# **Target Details**

Target Details	
Target:	ACPP
Alternative Name:	ACP3 (ACPP Products)
Background:	ACPP, acid phosphatase, prostate, ACP-3, ACP3, PAP, prostatic acid phosphotase
Gene ID:	55, 56318, 56780
NCBI Accession:	NP_001090
Pathways:	Synaptic Membrane, Ribonucleoside Biosynthetic Process
Application Details	
Application Notes:	Immunohistochemistry: In paraffin embedded Human Prostate shows cytoplasm staining in
	some secretory cells of the gland. Recommended concentration, 3-5 $\mu$ g/mL. This antibody has
	been successfully used in IHC on Mouse: Nousiainen HO et al. (2014) PMID: 2484

Comment:

**Immunofluorescence:** This antibody has been successfully used in IF on Mouse: Nousiainen HO et al. (2014) PMID: 24846136.

Western Blot: Approx 50 kDa band observed in Human Prostate lysates (calculated MW of

findings in literature with different antibodies (Patel et al, ,Clin Chem. 1986 O

Peptide ELISA: antibody detection limit dilution 1:64000.

44.6 kDa according to NP\_001090.2). The observed molecular weight corresponds to earlier

Restrictions:

For Research Use only

# Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

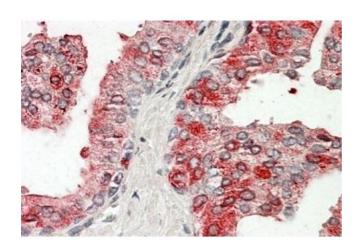
at 4°C for a few weeks and still remain viable.

#### **Publications**

Product cited in:

Nousiainen, Quintero, Myöhänen, Voikar, Mijatovic, Segerstråle, Herrala, Kulesskaya, Pulkka, Kivinummi, Abo-Ramadan, Taira, Piepponen, Rauvala, Vihko: "Mice deficient in transmembrane prostatic acid phosphatase display increased GABAergic transmission and neurological alterations." in: **PLoS ONE**, Vol. 9, Issue 5, pp. e97851, (2014) (PubMed).

# **Images**



## **Immunohistochemistry**

**Image 1.** ABIN570986 ( $3.8 \,\mu g/mL$ ) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

## **Western Blotting**

**Image 2.** ABIN570986 (0.3μg/ml) staining of Human Prostate lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.